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- (71) Déposant (pour tous les États désignés sauf US) : L'OREAL [FR/FR]; 14, rue Royale, 75008 Paris (FR).
- (72) Inventeurs; et
- (75) Inventeurs/Déposants (pour US seulement): PASTORE, Florent [FR/FR]; 13, rue de la Melonnière, 92520 Rueil Malmaison (FR). GOURLAOUEN, Luc [FR/FR]; 3, ruc Jean-Jacques Rousseau, 92600 Asnière (FR). LA-GRANGE, Alain [FR/FR]; 5, rue de Montry, 77700 Coupvray (FR).
- (74) Mandataire: L'HOSTE, Catherine; L'OREAL D.I.P.I., 6 rue Bertrand Sincholle, 92585 Clichy (FR).

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En ce qui concerne les codes à deux lettres et autres abréviations, se référer aux "Notes explicatives relatives aux codes et abréviations" figurant au début de chaque numéro ordinaire de la Gazette du PCT.

(54) Title: DYLING COMPOSITION WITH A BRIGHTENING EFFECT FOR HUMAN KERATINOUS FIBRES

(54) Titre: COMPOSITION DE TEINTURE A EFFET ECLAIRCISSANT POUR FIBRES KERATINIQUES HUMAINES

(57) Abstract: The invention relates to a cosmetic dyeing composition that is used to lighten human keratinous matter and, more specifically, artificially coloured or pigmented hair and dark skin. The inventive composition comprises at least one fluorescent dye. The invention also relates to the methods using said composition.

(57) Abrégé: L'invention concerne une composition cosmétique pour colorer avec un effet éclaircissant les matières kératiniques humaines et plus particulièrement les cheveux pigmentés ou colorés artificiellement et la peau foncée, comprenant au moins un colorant fluorescent, et les procédés mettant en œure cette composition.



# INTERNATIONAL SEARCH REPORT

International Application No PCT/FR 02/03252

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A61K7/13

According to International Patent Classification (IPC) or to both national classification and IPC

### B. FIELDS SEARCHED

 $\begin{array}{ll} \mbox{Minimum documentation searched (classification system tollowed by classification symbols)} \\ \mbox{IPC 7} & \mbox{A61K} & \mbox{A61Q} \end{array}$ 

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

CHEM ABS Data, EPO-Internal, WPI Data

Category *	Citation of document, with indication, where appropriate, of the retevant passages	Relevant to claim No.
Ρ,Χ	DE 100 29 441 A (HENKEL KGAA) 3 January 2002 (2002-01-03) the whole document	1
X	DE 199 26 377 A (HENKEL KGAA) 14 December 2000 (2000-12-14) the whole document	1-29,37
X	EP 0 370 470 A (ESTEE LAUDER INC.) 30 May 1990 (1990-05-30) claims 1,9-12; example 3	1
X	EP 0 445 342 A (ESTEE LAUDER INC) 11 September 1991 (1991-09-11) claims 1,15	1
,	<b>-/-</b> -	·

Further documents are listed in the continuation of box C.	Patent tamily members are listed in annex.		
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# **INTERNATIONAL SEARCH REPORT**

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	tion) DOCUMENTS CONSIDERED TO BE RELEVANT  Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.  1  1		
Category *	Midion of comment, with indication, where appropriate, of the reseasor passages			
Χ.	US 5 188 639 A (T. SCHULTZ ET AL.) 23 February 1993 (1993-02-23) the whole document			
X	US 5 356 438 A (C. KIM ET AL.) 18 October 1994 (1994-10-18) the whole document			
<b>X</b>	WO 01 62759 A (WELLA AG) 30 August 2001 (2001-08-30) claim 1; example 5; table 1			
•				
		1		
	••			
		•		

# INTERNATIONAL SEARCH REPORT

Intermonal Application No PCT/FR 02/03252

Patent document cited in search report		Publication date	٠.	Patent family member(s)	Publication date
DE 10029441		03-01-2002	DE	10029441 A1	03-01-2002
			AU	6753501 A	02-01-2002
		·.	WO	0197765 A1	27-12-2001
DE 19926377	. A	14-12-2000	DE	19926377 A1	14-12-2000
			ÁU	5810600 A	02-01-2001
			WO	0076466 A1	21-12-2000
EP 370470	Α	30-05-1990	CA	2003346 A1	23-05-1990
			DΕ	68910477 D1	09-12-1993
			DE	68910477 T2	07-04-1994
·			EP	0370470 A2	30-05-1990
•			JP	2200612 A	08-08-1990
•			US	5143723 A	01-09-1992
			US	5324506 A	28-06-1994
EP 445342	A	11-09-1991	US	5143723 A	01-09-1992
			CA	2013429 Al	05-09-1991
			DE	69006347 D1	10-03-1994
			DE	69006347 T2	11-05-1994
•			EΡ	0445342 A1	11-09-1991
•			HK	1001553 A1	26-06-1998
٠			JP	3258712 A	19-11-1991
			US	5324506 A	28-06-1994
US 5188639	A	23-02-1993	US	5094662 A	10-03-1992
US 5356438	A	18-10-1994	CN	1085422 A	20-04-1994
			FR	2696930 A1	22-04-1994
			JP	2056989 C	23-05-1996
			JP	6128128 A	10-05-1994
	•	٠	JP	7080746 B	30-08-1995
			· KR	9609640 B1	23-07-1996
WO 0162759	Α	30-08-2001	AU	7207801 A	03-09-2001
			WO	0162759 A1	30-08-2001
			EP	1185531 A1	13-03-2002